

From: [taiga](#)
To: mgast@fortsimpson.com; [Erica Janes](#); [Kyle Christiansen](#)
Subject: Emailing: 230035 - 2324 - FINAL REPORT, 230035 - 2324 - FINAL REPORT
Date: Monday, January 23, 2023 11:18:47 AM
Attachments: [230035 - 2324 - FINAL REPORT.pdf](#)
[230035 - 2324 - FINAL REPORT.xls](#)

Mitch,

Please see attached for final report 230035.

Have a good day.

Mársı | Kinanāskomitin | Thank you | Merci | Hai' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
Glen Hudy
Chemist, Quality Assurance
Environmental Protection and Waste Management
Environment and Natural Resources
Government of the Northwest Territories

Taiga Environmental Laboratory
PO Box 1320
Yellowknife, NT X1A 2L9

Phone: 867-767-9235 Ext. 53154
Fax: 867-920-8740
www.enr.gov.nt.ca

Survey: <https://www.surveymonkey.com/r/TaigaLab>

Your message is ready to be sent with the following file or link attachments:

230035 - 2324 - FINAL REPORT
230035 - 2324 - FINAL REPORT

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.



Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
230035

- FINAL REPORT -

Prepared For: Village of Fort Simpson

Address: P.O. Box 438
Fort Simpson, NT
X0E 0N0

Attn: Mitch Gast

Facsimile: (867) 695-2005

Final report has been reviewed and approved by:

Glen Hudy
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: January-23-23

Print Date: *January-23-23*



Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
230035

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **09-01-23-001**

Taiga Sample ID: **001**

Client Project:

Sample Type: Treated Wastewater

Received Date: 09-Jan-23

Sampling Date: 09-Jan-23

Sampling Time: 4:27

Location: Fort Simpson WWTP SNP 2015-2

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	22.4	0.005	mg/L	18-Jan-23	TEL068	
Biochemical Oxygen Demand	8	2	mg/L	10-Jan-23	TEL019	
CBOD	8	2	mg/L	10-Jan-23	TEL019	
Nitrogen, Total	35.3	0.06	mg/L	18-Jan-23	TEL066	
Phosphorous, Total	2.52	0.002	mg/L	18-Jan-23	TEL069	
<u>Inorganics - Physicals</u>						
Alkalinity, Total (as CaCO ₃)	188	0.4	mg/L	11-Jan-23	TEL060	
pH	7.32		pH units	11-Jan-23	TEL058	
Solids, Total Suspended	10	3	mg/L	17-Jan-23	TEL008	
<u>Microbiology</u>						
Coliforms, Fecal	2000	1	CFU/100mL	09-Jan-23	TEL017	
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2	mg/L	20-Jan-23	TEL072	
Oil and Grease, visible	Non-visible			13-Jan-23	Visual Exam	
<u>Subcontracted Inorganics</u>						

ReportDate: January-23-23

Print Date: *January-23-23*

Page 2 of 4



Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:

230035

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **09-01-23-001**

Taiga Sample ID: **001**

Nitrate as Nitrogen	0.0066	0.003	mg/L	13-Jan-23	EPA300.1
Nitrite as N	0.0095	0.001	mg/L	13-Jan-23	EPA300.1

ReportDate: January-23-23

Print Date: *January-23-23*

Page 3 of 4



Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:

230035

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **09-01-23-001**

Taiga Sample ID: **001**

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

ReportDate: January-23-23

Print Date: *January-23-23*

Page 4 of 4